

Title (en)

METHOD FOR REPORTING POWER HEADROOM REPORT AND USER EQUIPMENT

Title (de)

VERFAHREN ZUR ÜBERMITTLUNG VON STROMHÖHENBERICHTEN UND BENUTZERVORRICHTUNG

Title (fr)

PROCÉDÉ POUR COMMUNIQUER UN COMPTE RENDU DE MARGE DE PUISSANCE ET ÉQUIPEMENT D'UTILISATEUR

Publication

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Application

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Abstract (en)

The present invention discloses a method for reporting a power headroom report and a user equipment, which are applied in the field of communications. The method includes: triggering reporting of a first power headroom report, and determining that a condition of sending the first power headroom report is satisfied, where the condition of sending the first power headroom report includes: determining that uplink data channel transmission occurs in a current transmission time interval; obtaining the first power headroom report, where the first power headroom report includes a first power headroom value, and the first power headroom value includes a difference between maximum transmitting power of a carrier and a sum of transmitting power of a control channel of the carrier and transmitting power of a data channel of the carrier; and sending the first power headroom report. The present invention solves the problem in the prior art that a base station has no correct power headroom for reference during resource scheduling.

IPC 8 full level

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Citation (search report)

- [A] WO 2010065759 A2 20100610 - INTERDIGITAL PATENT HOLDINGS [US], et al
- [A] RESEARCH IN MOTION ET AL: "PH reporting for Carrier Aggregation", 3GPP DRAFT; R1-103066(RIM-PH REPORTING FOR CA), 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Montreal, Canada; 20100510, 4 May 2010 (2010-05-04), XP050420155
- [A] LG ELECTRONICS: "Remaining issues about power headroom reporting for LTE-A", 3GPP DRAFT; R1-102693 PHR, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Montreal, Canada; 20100510, 4 May 2010 (2010-05-04), XP050419900
- [A] NOKIA SIEMENS NETWORKS ET AL: "Uplink Power Control for LTE-Advanced", 3GPP DRAFT; R1-100322, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Valencia, Spain; 20100118, 12 January 2010 (2010-01-12), XP050417990
- [A] CATT: "Considerations on uplink power control in LTE-Advanced", 3GPP DRAFT; R1-100071, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Valencia, Spain; 20100118, 12 January 2010 (2010-01-12), XP050417814

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